We met to discuss the graphical design of the TECC temperature monitor.

Attending:
• Jon Paley
• Athans Hatzikoutelis
• Ron Rechenmacher
• Jim Kowalkowski
• Rick Tesarek
• Andrew Norman
• Anna Eng
• Martin Frank (taking notes)

Detector Overview

Rick requested that we make the detector overview in the same format as the event display. We should also superimpose the DCM locations using bold lines. When the shifter clicks on a troublesome region, the particular DCM overview should be opened.

DCM Overview

Andrew requested that we make some legends explaining which temperature corresponds to which FEB. In general, we should make that view correspond to the layout that we use in the overview.

We had a discussion about the TECC controls and concluded with the following two main points:
 • A shifter should somehow be prevented from making accidental adjustments.
 • It should not be overly complicated for the expert to get to the TECC controls, especially at this early stage when we need to toggle them frequently.
Gennadiy and I will find a way to balance these two points in the best way.

Individual FEB Overview

Jim suggested the following three plots for the individual FEB overview:
 • TECC temperature vs. time
 • DC (drive current) vs. time
 • DC vs. TECC temperature
There is an array (compressed record) that already contains the temperatures for a sliding time window.

Other General Remarks

Jim and Andrew took a brief look at the amount of memory and CPU used by CSS and noted that it was not too large. However, Jim suggested that we should run with 200 virtual DCMs to see how the system behaves. CSS is currently running on novadaq-ctrl-master, but Andrew suggested that we run it on novadcs-ctrl-master.

Jim also mentioned that Ron will setup a test release from which we can run CSS and from which Gennadiy and I can easily update from CVS.